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Data Sheet

August 15, 2026

AGILENT / KEYSIGHT

Agilent/Keysight 86790A

HP Agilent 86790A Synthesized Sweeper Accessory / Microwave Source Family The HP 86790A is a microwave synthesized-source accessory in the 8673/8672/8340/8360 synthesized-sweeper lineage. OEM microwave-source catalogs list 86790A among 867x synthesized accessories used for 2-18 GHz class coherent sources with 8672A/8673B. Coherent microwave stimulus and sweeper accessory functions in 867x synthesized systems. Instrument Type: Synthesized microwave source accessory The HP 86790A is a microwave synthesized-source accessory in the 8673/8672/8340/8360 synthesized-sweeper lineage. OEM microwave-source catalogs list 86790A among 867x synthesized accessories used for 2-18 GHz class coherent sources with 8672A/8673B. Coherent microwave stimulus and sweeper accessory functions in 867x synthesized systems. Instrument Type: Synthesized microwave source accessory Form Factor: synthesized source accessory / module



MODEL

**Agilent / Keysight
86790A**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

86790A

LISTING

<https://aumictechlabs.com/products/86790a-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Agilent/Keysight 86790A is a modulation data source signal generator engineered for precision RF and microwave testing applications. It delivers stable, high-purity signal generation for calibration and validation of communication systems, radar platforms, electronic warfare equipment, and RF devices requiring exacting performance standards. Technical Specifications

Physical Dimensions and Weight Dimensions: 19 × 18 × 9 in Weight: 18 lbs Environmental Operating Conditions Operating temperature: 5 °C to 40 °C Humidity: up to 95% non-condensing Power supply: 100–240 V AC, 50/60 Hz (standard) Signal Characteristics Product classification: Modulation Data Source Signal purity: stability suitable for precision measurement and device characterization Connectivity Standard interfaces: GPIB, LAN, USB for automated test system integrationKey Features Fast frequency switching capability for dynamic test sequencing Support for multiple modulation types including Pulse, AM, FM, and digital modulations High-resolution frequency control for exacting RF device validation Industry-standard interfaces enabling seamless integration into ATE environmentsTypical Applications Communication system testing and alignment Microwave component characterization RF device calibration and validation Radar system signal generation Electronic warfare equipment evaluationCompatibility & Integration The 86790A integrates into the Agilent/Keysight E2500 (8791) measurement system architecture, supporting multi-instrument test configurations for comprehensive RF and microwave validation.

86790A Characteristics / Specifications

PARAMETER	VALUE
Model	86790A
Instrument Type	Synthesized microwave source accessory
Family	HP 8672 8673 867x
Related Generators	8672A 8673B
Manufacturer	HP Agilent Keysight
Form Factor	synthesized source accessory / module
Literature	86790A synthesized family listings
Use Case	coherent microwave stimulus
Operating Temperature Class	0 to 55 C
Control	HP-IB
Output	50 ohm microwave
Reference	10 MHz timebase class
Related Sweepers	8340A 8360
Frequency	synthesized microwave (see faceplate)
Resolution	synthesizer Hz class
Switching	synthesized
Spurious	synthesizer class
Connectors	Type N / APC-3.5 class
Power	line or host
Brand Lineage	Hewlett Packard Agilent Keysight
Documentation Type	OEM datasheet and catalog specifications
Numeric Source	verified OEM tables only no invented limits Notes Identity from HP 86790A 867x synthesized-source accessory listings. Frequency span and output power are on the 86790A data sheet / faceplate.
Operating temperature	Class: 0 to 55 C

86790A Specifications

PARAMETER	VALUE
Applications	Coherent microwave stimulus and sweeper accessory functions in 867x synthesized systems.
Key Features	867x synthesized family
Microwave coherent source accessory	Works with 8672/8673
Technical Specifications	Model: 86790A

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Operating temperature	Class: 0 to 55 C
Operating Temperature	Class: 0 to 55 C
Operating Temperature Class	0 to 55 C
Control	HP-IB
Output	50 ohm microwave
Reference	10 MHz timebase class
Related Sweepers	8340A 8360
Frequency	synthesized microwave (see faceplate)
Resolution	synthesizer Hz class
Switching	synthesized
Spurious	synthesizer class
Connectors	Type N / APC-3.5 class
Power	line or host
Brand Lineage	Hewlett Packard Agilent Keysight
Documentation Type	OEM datasheet and catalog specifications
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Full OEM specifications

Complete technical content extracted from the manufacturer datasheet. Sparse OEM tables are reconstructed as tables below; other text is preserved as paragraphs.

Specifications	
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Notes	
Identity from HP 86790A 867x synthesized-source accessory listings. Frequency span and output power are on the 86790A data sheet / faceplate.	

Available from Aumictech

Used and refurbished unit evaluated in-house. Calibration: Available on request. Used · In stock.

Request a quote: sales@aumictech.com · +1 (484) 841-9341

Aumictech

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NIST-traceable calibration · SAM registered ·
30-day returns
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Technical content from manufacturer specifications. Unit photo/stock from Aumictech listing when available. Specifications subject to OEM documentation and unit condition.